

BID SPECIFICATIONS FOR NEW OR USED TRACK-MOUNTED COMPACT ZERO TURN HYDRAULIC EXCAVATOR FOR THE FLATHEAD COUNTY ROAD DEPARTMENT

UNIT MUST MEET OR EXCEED THE FOLLOWING SPECIFICATIONS:

GENERAL

These specifications shall be construed as the minimum acceptable standards for a track-mounted hydraulic excavator. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturer's equipment.

The use of specific names and numbers in specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of the County.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the service manual, one (1) copy of the operator's manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

ADDITIONAL REQUIREMENTS

All hydraulic and engine oil filters to be vertically mounted.

Extended life coolant shall be provided.

S.O.S. sampling ports (engine, hydraulics, transmission, coolant, and fuel).

Toolbox – 12" x 16" minimum.

Each bid shall include a recommended service interval schedule and an estimated fuel usage in gallons per hour.

Used machine must be newer than 2018 and have less than 1,500 hours.

Must have a dealership with parts and service department within 15 miles of Kalispell, Montana. All bids will be considered. Flathead County reserves the right to waive this requirement in the best interests of the County.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty, along with a complete explanation of what the warranty covers with their bid.

WEIGHT

Minimum 32,000 lbs. Equipped with 28-inch wide shoes, bucket and thumb.

Yes____ No____
Page #_____

ENGINE

Four (4) cylinder, tier 4, turbocharged minimum 180 cubic inch diesel engine with minimum 90 net flywheel horsepower. **Engine must be designed and built by or for the manufacturer.**

Yes____ No____
Page #_____

Shall be equipped with engine coolant heater – 110 Volt.

Yes____ No____
Page #_____

Engine air cleaner shall be dual element dry-type.

Yes____ No____
Page #_____

Shall be equipped with water separator.

Yes____ No____
Page #_____

Have ether starting aid.

Yes____ No____
Page #_____

STARTING SYSTEM

Shall be equipped with a 24-volt electrical system with 45-amp alternator, heavy-duty starting motor.

Yes____ No____
Page #_____

Shall be equipped with a 12-volt converter cable capable of powering a 50 Watt two-way radio and CB.

Yes____ No____
Page #_____

UNDERCARRIAGE

Track length shall be a minimum 11' feet.

Yes____ No____
Page #_____

Track shoe width shall be minimum 28".

Yes____ No____
Page #_____

Minimum seven (7) track rollers per side.

Yes____ No____
Page #_____

Minimum one (1) carrier roller per side.

Yes____ No____
Page #_____

CAPACITIES

Fuel Tank Capacity – 47 gallon minimum.

Yes____ No____
Page #_____

Hydraulic Tank Capacity – 15.9 gallon minimum.

Yes____ No____
Page #_____

Engine Coolant – 4 gallon minimum.

Yes____ No____

Page #_____

BOOM AND STICK

One-piece boom with minimum 15' 1" length.

Yes____ No____

Page #_____

Stick shall be a minimum of 8' 2" long.

Yes____ No____

Page #_____

DIMENSIONS

Reach at ground level – 26 feet minimum.

Yes____ No____

Page #_____

Lifting capacity at ground level (15' over front) with bucket – min. 6,200 lbs.

Yes____ No____

Page #_____

Lifting capacity at ground level (15' over side) with bucket – min. 6,200 lbs.

Yes____ No____

Page #_____

Bucket breakout force (SAE) – minimum 18,500 lbs.

Yes____ No____

Page #_____

Stick digging force (SAE) – minimum 13,000 lbs.

Yes____ No____

Page #_____

BUCKET

Bucket width – 30".

Yes____ No____

Page #_____

Bucket shall be general duty with minimum five (5) teeth and side cutters.

Yes____ No____

Page #_____

Bucket capacity – minimum 0.67 cubic yard capacity.

Yes____ No____

Page #_____

Bucket weight with teeth – minimum 800 lbs.

Yes____ No____

Page #_____

HYDRAULICS

Hydraulic pump output shall be a minimum of 56 GPM.

Yes____ No____

Page #_____

CAB

Enclosed ROPS cab: pressurized cab, rear-view camera.

Yes____ No____

Page #_____

Cab heater to provide outside filtered air circulation, multiple ducting to all windows.

Yes____ No____

Page #_____

Cab windows shall open for ventilation. Front and rear window wipers.

Yes____ No____

Page #_____

Cab fresh air filters.

Yes____ No____

Page #_____

Factory installed air conditioning.

Yes____ No____

Page #_____

AM/FM Radio, Bluetooth capable.

Yes____ No____

Page #_____

Suspension Seat, with seat cover, and heated seat.

Yes____ No____

Page #_____

BLADE

Blade width – 8’ 2” minimum.

Yes____ No____

Page #_____

Blade height – 18” minimum.

Yes____ No____

Page #_____

Hydraulic up and down.

Yes____ No____

Page #_____

With replaceable cutting edge.

Yes____ No____

Page #_____

AUXILIARY HYDRAULICS

Machine shall include all valves, hoses, and controls to connect to hydraulic cylinder to run any type of hydraulic powered implements. Needs to have enough valves to run thumb and tilting hydraulic bucket at the same time.

(i.e. hydraulic thumbs, tilting, rotating hydraulic buckets, Rock hammer etc.)

Yes____ No____

Page #_____

Hydraulic full rotation thumb installed and connected to the optional hydraulics as described above.

Yes____ No____

Page #_____

OPTION 1

An extended powertrain warranty that covers an additional two to three years or an additional 2400 to 3600 hours, whichever occurs first. Include price for each.

Yes____ No____

Page #_____

OPTION 2

A Hydraulic tilting bucket and adapter that will fit and run on machine.

Yes____ No____

Page #_____

NOTE: Award will be made on the basis of the total cost of the machine with all options included. However, Flathead County may, at its discretion, deduct one or more of the above-referenced options from the machine, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the machine.